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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/618,743	07/15/2003	Akira Yamada	240123US0DIV	7248

22850 7590 02/04/2005

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1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER

CHANG, CELIA C

ART UNIT	PAPER NUMBER
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1625

DATE MAILED: 02/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/618,743

Applicant(s)

YAMADA ET AL.

Examiner

Celia Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 15 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-9 and 11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) 1-9, 11 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

1. This case is a divisional of SN 09/869,962. Claims 10 and 12 have been canceled. Claims 1-9, 11 are pending.

2. *Election/Restrictions*

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 2-7, drawn to X is N, R3-R4 is ethylene compounds i.e. piperazines, classified in class 544, subclass various, depending on species election. If this group is elected, a further election of a single disclosed species is also required. If this group is elected, claims 1, 8, 9, 11 can be prosecuted together with the elected compounds to the extend of the election.
- II. Claim 4, drawn to X is CH, R3-R4 is ethylene, classified in class 546, subclass various, depending on species election. If this group is elected, a further election of a single disclosed species is also required. If this group is elected, claims 1, 8, 9, 11 can be prosecuted together with the elected compounds to the extend of the election.
- III. Claims 1, 8, 9 11, when X is N and R3-R4 forms ring size is other than ethylene, drawn to various core with two nitrogen ring compounds, classified in class various, subclass various. If this group is elected, a further election of a single disclosed species is also required.
- IV. Claims 1, 8, 9 11, when X is CH and R3-R4 forms ring size is other than ethylene, drawn to various core with one nitrogen ring compounds, classified in class various, subclass various. If this group is elected, a further election of a single disclosed species is also required.
- V. Claims 1, 8, 9 11, when X is CH or N and R3 and R4 are independent H or lower alkyl, drawn to amine compounds, classified in class 564, subclass various. If this group is elected, a further election of a single disclosed species is also required.

The inventions are distinct, each from the other because:

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Compounds of groups I-V are independent and distinct because they have different core structure. Lacking of a common core is one of the basis for restriction. In re Harnish 106 USPQ 300. The structure of groups I-V differ to such an extend that a reference anticipating one group would not render another group obvious. Particularly it was delineated in the parent application that prior art evidenced that the X is N "core" do not share the same utility as X is CH compounds and is anticipated by CA 74:42381 (RN 23492-81-1). The search for each group is not required for another group and is not coextensive of each other. Without restriction, the searches of the groups would be enormous encompassing enormous class and subclasses, especially, without a species election, a classification can not be determined.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Should applicant traverse on the ground that the groups and species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the groups and species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Celia Chang whose telephone number is 571-272-0679. The examiner can normally be reached on Monday through Thursday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang, can be reached on 571-272-0562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

OACS/Chang
Feb. 1, 2005

A handwritten signature in black ink, appearing to read 'C. Chang', with a stylized flourish at the end.

Celia Chang
Primary Examiner
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